

ELECTRONIC DEVICE

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ABSTRACT OF THE DISCLOSURE

10 An electronic device which comprises one or more
functional elements consisting of a high molecular weight
material which has a steric structure containing one or
more three-dimensionally disposed modifying functional
groups, the steric structure on the high molecular weight
material being known or predictable. In the electronic
device, the high molecular weight material is a
15 biopolymer, a synthetic polymer or a combination thereof,
and the modifying functional groups are selected from the
group consisting of positive hole-transporting functional
groups, electron-transporting functional groups and a
combination thereof. The electronic device includes a
20 wide variety of devices such as diodes such as
photodiodes and light-emitting diodes, capacitors,
resistors and transistors such as bipolar transistors and
FETs (field effect transistors).